

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 04-423-F (400/227US)
INTERNATIONAL APPLICATION NO. PCT/US2004/027231	INTERNATIONAL FILING DATE August 20, 2004	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) TBA <b>10/576752</b> PRIORITY DATE CLAIMED October 23, 2003
TITLE OF INVENTION RNA INTERFERENCE MEDIATED INHIBITION OF GPRA AND AAA1 GENE EXPRESSION USING SHORT NUCLEIC ACID (siNA)		
APPLICANT(S) FOR DO/EO/US McSWIGGEN, James et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 3). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)) 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern documents) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop, PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) TBA		INTERNATIONAL APPLICATION NO. PCT/US2004/027231		ATTORNEY'S DOCKET NUMBER 04-423-F (400.227US)	
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20. Other items or information:  
 Paper Copy of Sequence Listing; International Search Report; Notification Concerning Transmittal of Copy of International Application as Published or Republished (PCT/IB/311) ; **EXPRESS MAIL CERT.; 1-821(f) COMPLIANCE STATEMENT POSTCARD**

The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21.	<input checked="" type="checkbox"/>	Basic national fee (37 CFR 1.492(a)) .....	\$300	\$ 300.00	
22.	<input checked="" type="checkbox"/>	Examination fee (37 CFR 1.492(c))			
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$ 200.00	
All other situations .....				\$200	
23.	<input checked="" type="checkbox"/>	Search fee (37 CFR 1.492(b))			
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....				\$0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....				\$100	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the USA by the IB .....				\$400	
All other situations .....				\$500	
<b>TOTAL OF 21, 22 and 23 =</b>				\$ 900.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j)) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
209	-100 = 109	/50 = 3	x \$250	\$ 750	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	35 -20 =	15	x \$50	\$ 750.00	
Independent claims	1 -3 =	0	x \$200	\$ 0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2,400.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				1,200.00	
<b>SUBTOTAL =</b>				\$ 1,200.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	
<b>TOTAL NATIONAL FEE =</b>				\$ 1,200.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	
<b>TOTAL FEES ENCLOSED =</b>				\$	
				Amount to be refunded:	\$
				Amount to be charged:	\$

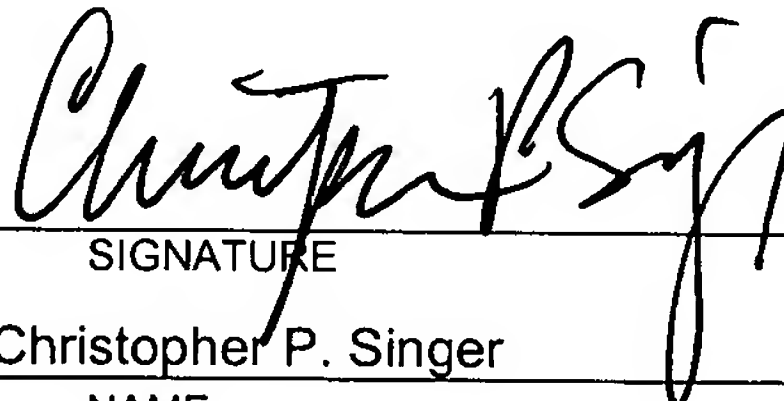
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- a. ☒ A check in the amount of \$ 1,200.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:  
McDonnell, Boehnen, Hulbert, and Berghoff LLP  
300 South Wacker Drive  
Chicago, IL 60606

APRIL 21, 2006

  
SIGNATURE  
Christopher P. Singer  
NAME  
48,701  
REGISTRATION NUMBER

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 04-423-F)**

In re Patent Application of: )  
)  
McSWIGGEN et al. )  
)  
Serial No.: TO BE ASSIGNED ) Examiner:  
)  
35 U.S.C. §371 Application of )  
PCT/US2004/027231 )  
)  
Filed: HEREWITH ) Art Unit:  
)  
For: RNA Interference Mediated Inhibition of GPRA )  
and AAA1 Gene Expression Using Short )  
Interfering Nucleic Acid (siNA) )

**CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Date of Deposit: **APRIL 21, 2006**; "Express Mail" Mailing Label Number: **EV 839383170 US**

Attached Paper or Fee:

- 1) **Transmittal letter in duplicate**
- 2) **Application Data Sheet (5 sheets)**
- 3) **Published International Application No: WO 2005/045038**
- 4) **Sequence Listing (CRF & Paper copy)**
- 5) **Intl. Search Report**
- 6) **Filing Fee**
- 7) **Notification Concerning Submission of Transmittal Priority Document**
- 8) **Return Receipt Postcard**

The undersigned hereby certifies that this paper and the attached papers included herewith as described on the return receipt postcard, and above, were directed to be deposited with the United States Postal Service with sufficient postage as Express Mail, Post Office to Addressee, in an Express Mail envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 21, 2006

Signed: \_\_\_\_\_

CHRISTOPHER P. SINGER, Reg. No. 48,701